



SHRIRAM PISTONS & RINGS LTD.

MD: TS: 38/DEC'24

INTRODUCTION CIRCULAR – HARVESTER E-II/ III 'SUPER DVM' - RING SET

USHA is pleased to launch **Harvester E-II/ III 'Super DVM'** ring set in its product range in aftermarket.

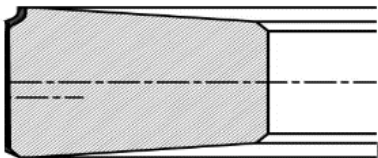
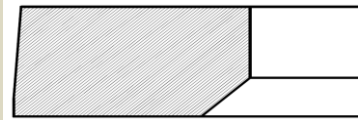
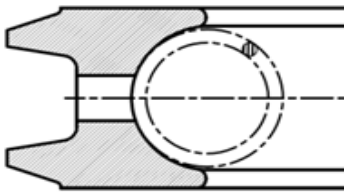


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
Top Ring	Steel Keystone {HPKGN}	Steel Material	Top ring is made up of steel material which possesses good elasticity, excellent resistance to twisting, breakage & wear, hence longer life.
		Keystone Geometry	Special keystone geometry keeps squeezing out excess oil from the groove, thereby minimizing chances of carbon deposition, sludge formation & prevents ring stickiness inside the groove.
		Gas Nitriding (GN)	The ring is gas nitrided to provide better wear resistance to all surfaces, hence longer life.
2 nd Ring	Reverse Torsion {RT}	Taper face	Ring has a Taper on OD to provide line contact with liner resulting in higher wall pressure, hence better sealing.
		Inside bevel on lower face	Ring has a bevel cut on its lower inside face due to which ring twists in anti-clockwise direction during suction stroke which locks the groove to avoid blow-by & upward movement of oil towards combustion chamber.
Oil Ring	Diesel Vent 'M' shape (DVM)	Steel Material	Ring is made up of steel for longer life.
		Gas Nitriding (GN)	The ring is gas nitrided to provide better wear resistance to all surfaces, hence longer life.
		Highly Conformable	DVM ring has built-in tension & spring beneath makes it highly conformable which facilitates to adjust itself to the varying wear pattern of cylinder liner for perfect sealing & excellent oil scraping for lower oil consumption.

		Sharp Scraping Ring Lands	The sharp ring lands with high wall pressure ensure better scraping of oil resulting in lower oil consumption.
		Multiple Oil Drainage Slots	Ensure faster drainage of oil.
		Excellent Flatness	Side faces of DVM oil ring remain flat and do not swell as in case of ordinary oil ring, for a free movement in groove.
		Light in Weight	Ring is lighter in weight than ordinary oil ring which reduces fluttering of ring in groove thereby avoids pumping up of oil, hence low oil consumption.

Technical data of **Harvester E-II/ III 'Super DVM'** ring set is as under:

TECHNICAL DATA- HARVESTER E-II/ III - 'SUPER DVM' RING SET (ø 102.00 mm)						
USHA Code → H25/ H26						
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	HPKGN	3.00	0.25-0.40	10-16	Gas Nitriding	
2 nd	RT	2.39	0.60-0.80	24-32	---	
Oil	DVM	4.00	0.25-0.45	10-18	Gas Nitriding	

USHA **Harvester E-II/ III 'Super DVM'** ring set is specially designed to reduce oil consumption & blow-by for an excellent performance.



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